

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An isolated nucleic acid having at least 80% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is amino acids 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said isolated nucleic acid is more highly expressed in normal esophagus compared to esophageal tumor, or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal esophagus than in esophageal tumor.

2. (Currently Amended) The isolated nucleic acid of Claim 1 having at least 85% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is amino acids 1-350;

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(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 90 (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said isolated nucleic acid is more highly expressed in normal esophagus compared to esophageal tumor, or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal esophagus than in esophageal tumor.

3. (Currently Amended) The isolated nucleic acid of Claim 1 having at least 90% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is amino acids 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said isolated nucleic acid is more highly expressed in normal esophagus compared to esophageal tumor, or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal esophagus than in esophageal tumor.

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4. (Currently Amended) The isolated nucleic acid of Claim 1 having at least 95% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is amino acids 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide), wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said isolated nucleic acid is more highly expressed in normal esophagus compared to esophageal tumor, or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal esophagus than in esophageal tumor.

5. (Currently Amended) The isolated nucleic acid of Claim 1 having at least 99% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

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(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said isolated nucleic acid is more highly expressed in normal esophagus compared to esophageal tumor, or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal esophagus than in esophageal tumor.

6. (Currently Amended) An isolated nucleic acid comprising:

(a) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), wherein the extracellular domain is amino acids 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence of shown in Figure 85 (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230.

7. (Currently Amended) The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86).

8. (Currently Amended) The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the polypeptide of shown in Figure 86 (SEQ ID NO:86), lacking its associated signal peptide.

9. (Currently Amended) The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide of shown in Figure 86 (SEQ ID NO: 86), wherein the extracellular domain is amino acids 1-350.

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10. (Currently Amended) The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide ~~of shown in Figure 86~~ (SEQ ID NO: 86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350.

11. (Currently Amended) The isolated nucleic acid of Claim 6 comprising the nucleic acid sequence ~~of shown in Figure 85~~ (SEQ ID NO:85).

12. (Currently Amended). The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the nucleic acid sequence ~~of shown in Figure 85~~ (SEQ ID NO:85).

13. (Original) The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 203230.

14. (Currently Amended) An isolated nucleic acid that hybridizes under stringent conditions to:

(a) a nucleic acid sequence encoding the polypeptide ~~of shown in Figure 86~~ (SEQ ID NO:86);

(b) a nucleic acid sequence encoding the polypeptide ~~of shown in Figure 86~~ (SEQ ID NO:86), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide ~~of shown in Figure 86~~ (SEQ ID NO:86) wherein the extracellular domain is amino acids 1-350;

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide ~~of shown in Figure 86~~ (SEQ ID NO:86), lacking its associated signal peptide, wherein the extracellular domain is amino acids 1-350;

(e) the nucleic acid sequence ~~of shown in Figure 85~~ (SEQ ID NO:85);

(f) the full-length coding sequence of the nucleic acid sequence ~~of shown in Figure 85~~ (SEQ ID NO:85); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203230;

wherein said stringent conditions comprise 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50%

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formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

15. (Canceled).
16. (Original) The isolated nucleic acid of Claim 14 which is at least 10 nucleotides in length.
17. (Original) A vector comprising the nucleic acid of Claim 1.
18. (Original) The vector of Claim 17, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
19. (Original) A host cell comprising the vector of Claim 17.
20. (Original) The host cell of Claim 19, wherein said cell is a CHO cell, an E. coli or a yeast cell.